

Create Threshold Monitoring Job

OPERATING INSTRUCTIONS

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Contents

1	Description	1
2	Procedure	1
2.1	Create Threshold Monitoring Job	1





1 Description

This instruction describes how to create a threshold monitoring job. A new threshold monitoring job can be created by the user to raise threshold alarms on supported measurement types that are currently not monitored through alarms.

2 Procedure

2.1 Create Threshold Monitoring Job

Prerequisites

- No documents are required.
- No tools are required.
- The following conditions must apply:
 - A unique *PmJob* Managed Object (MO) name is chosen. To check names already in use, refer to *List Performance Management Jobs*.
 - The measurement type has threshold alarm support. To check this, refer to *List Performance Management Groups and Measurement Types*.
 - The `thresholdLow`, `thresholdHigh`, and `thresholdSeverity` attributes are known.
 - The *MeasurementType* MO is known.
 - An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.

Steps

1. Navigate to the *Pm* MO, for example:

```
>dn ManagedElement=NODE06ST,SystemFunctions=1,Pm=1
```
2. Enter Config mode:

```
(Pm=1) >configure
```



3. Create a threshold monitoring job, for example:

```
(config-Pm=1) >PmJob=POT_Thr_Job
```

4. Set the *PmJob* initial state to STOPPED:

```
(config-PmJob=POT_Thr_Job) >requestedJobState=STOPPED
```

5. Set attribute *jobType* to THRESHOLD:

```
(config-PmJob=POT_Thr_Job) >jobType=THRESHOLDJOB
```

6. Create a measurement reader for each referred measurement type, for example:

```
(config-PmJob=POT_Thr_Job) >MeasurementReader=POT_mr
```

```
(config-MeasurementReader=POT_mr) >measurementSpecification
```

```
(config-measurementSpecification) >measurementTypeRef="ManagedElement=NODE06ST, SystemFunctions=1, Pm=1, PmGroup=DbSPOT, MeasurementType=PotInst.Count"
```

```
(config-measurementSpecification) >up
```

7. Create a *PmThresholdMonitoring* MO, for example:

```
(config-MeasurementReader=POT_mr) >PmThresholdMonitoring=POT_tm
```

```
(config-PmThresholdMonitoring=POT_tm) >thresholdLow=10
```

```
(config-PmThresholdMonitoring=POT_tm) >thresholdHigh=100
```

```
(config-PmThresholdMonitoring=POT_tm) >thresholdSeverity=MAJOR
```

8. Are more *PmThresholdMonitoring* MOs to be created?

Yes: Continue with the next step.

No: Proceed with Step 11.

Note: Up to four *PmThresholdMonitoring* MOs can be created. The intervals of these MOs must not overlap.

9. Navigate to the *MeasurementReader* MO:

```
(config-PmThresholdMonitoring=POT_tm) >up
```

10. Proceed with Step 7.



11. Repeat Step 6 through Step 8 as needed for each referred measurement type.

Note: One *MeasurementReader* MO is needed for each reference to a *MeasurementType* MO.

12. Commit the changes:

```
(config-PmThresholdMonitoring=POT_tm) >commit
```

13. Verify the result:

```
(PmThresholdMonitoring=POT_tm) >up
```

```
(MeasurementReader=POT_mr) >up
```

```
(PmJob=POT_Thr_Job) >show -v -r
```

The following is an example output:

```
PmJob=POT_Thr_Job
compressionType=[] <empty>
currentJobState=STOPPED <read-only>
granularityPeriod=FIFTEEN_MIN <default>
jobControl=FULL <default> <read-only>
jobGroup=[] <empty>
jobPriority=MEDIUM <default>
jobType=THRESHOLDJOB
pmJobId="POT_Thr_Job"
reportContentGeneration=CHANGED_ONLY <default>
reportingPeriod=FIFTEEN_MIN <default>
requestedJobState=STOPPED
MeasurementReader=POT_mr
  measurementReaderId="POT_mr"
  measurementReaderNameValue=[] <empty> <read-only>
  measurementSpecification
    groupRef=[] <empty>
    measurementTypeRef="ManagedElement=NODE06ST, =>
SystemFunctions=1,Pm=1,PmGroup=DbsPOT,MeasurementType=PotInst.Count"
[...]
  PmThresholdMonitoring=POT_tm
  pmThresholdMonitoringId="POT_tm"
  thresholdHigh=100
  thresholdLow=10
  thresholdSeverity=MAJOR
```